C1 synthesizing data from the data indicative of the plurality of explicit pixels to provide data corresponding to at least one synthesized pixel, the at least one synthesized pixel representing at least one discarded pixel.

c2

7. (Twice Amended) A method for decompressing image data, that is compressed by discarding pixels along a direction parallel to an edge, representing a plurality of pixels and represented by a plurality of bitwords, each pixel corresponding to a separate bitword, the process comprising:

decompressing data from a compressed-data-bitword to provide data indicative of a plurality of explicit pixels; and

C2 synthesizing data from the data indicative of the plurality of explicit pixels to provide data corresponding to at least one synthesized pixel, the at least one synthesized pixel representing at least one discarded pixel,

wherein each of the bitwords are bytes;

wherein decompressing the data from the compressed bitword comprises:

referencing a segmentation bit of the bitword to determine whether the bitword contains non-continuous tone data;

referencing a direction bit to determine whether the direction of the edge located in spaced relationship to a first and a second pixel;

referencing a three-bit value indicative of the first pixel; and

referencing a three-bit value indicative of the second pixel.

10. (Amended) A method for decompressing image data, that is compressed by discarding pixels along a direction parallel to an edge, representing a plurality of pixels and represented by a plurality of bitwords, each pixel corresponding to a separate bitword, the process comprising:

C3

decompressing data from a compressed-data-bitword to provide data indicative of a plurality of explicit pixels; and

synthesizing data from the data indicative of the plurality of explicit pixels to provide data corresponding to at least one synthesized pixel, the at least one synthesized pixel representing at least one discarded pixel;

wherein each of the bitwords are bytes;

wherein for each bitword, synthesizing the data is performed in either a fastscan direction or a slowscan direction based on a direction bit contained in that bitword;

wherein synthesizing the data comprises:

determining which pixel positions are to be synthesized during decompression based on the direction bit;

C3

rendering from each bitword twice as many pixels in a direction perpendicular to an edge indicated by the direction bit of that bitword.

11. (Amended) A method for decompressing image data, that is compressed by discarding pixels along a direction parallel to an edge, representing a plurality of pixels and represented by a plurality of bitwords, each pixel corresponding to a separate bitword, the process comprising:

decompressing data from a compressed-data-bitword to provide data indicative of a plurality of explicit pixels; and

synthesizing data from the data indicative of the plurality of explicit pixels to provide data corresponding to at least one synthesized pixel, the at least one synthesized pixel representing at least one discarded pixel;

wherein wherein each of the bitwords are bytes;

wherein for each bitword, synthesizing the data is performed in either a fastscan direction or a slowscan direction based on a direction bit contained in that bitword;

wherein synthesizing the data comprises:

determining which pixel positions are to be synthesized during decompression based on the direction bit;

when the direction bit indicates a vertical edge, using the three-bit value associated with the first pixel and the three-bit value associated with the second pixel in the compressed-data-bitword to determine slope in the fast scan direction to render the vertical edge.

C3

12. (Amended) A method for decompressing image data, that is compressed by discarding pixels along a direction parallel to an edge, representing a plurality of pixels and represented by a plurality of bitwords, each pixel corresponding to a separate bitword, the process comprising:

decompressing data from a compressed-data-bitword to provide data indicative of a plurality of explicit pixels; and

synthesizing data from the data indicative of the plurality of explicit pixels to provide data corresponding to at least one synthesized pixel, the at least one synthesized pixel representing at least one discarded pixel;

wherein each of the bitwords are bytes;

wherein for each bitword, synthesizing the data is performed in either a fastscan direction or a slowscan direction based on a direction bit contained in that bitword;

wherein synthesizing the data comprises:

determining which pixel positions are to be synthesized during decompression based on the direction bit;

when the direction bit indicates a horizontal edge, using the three-bit value associated with the first pixel and the three-bit value associated with the second pixel in the